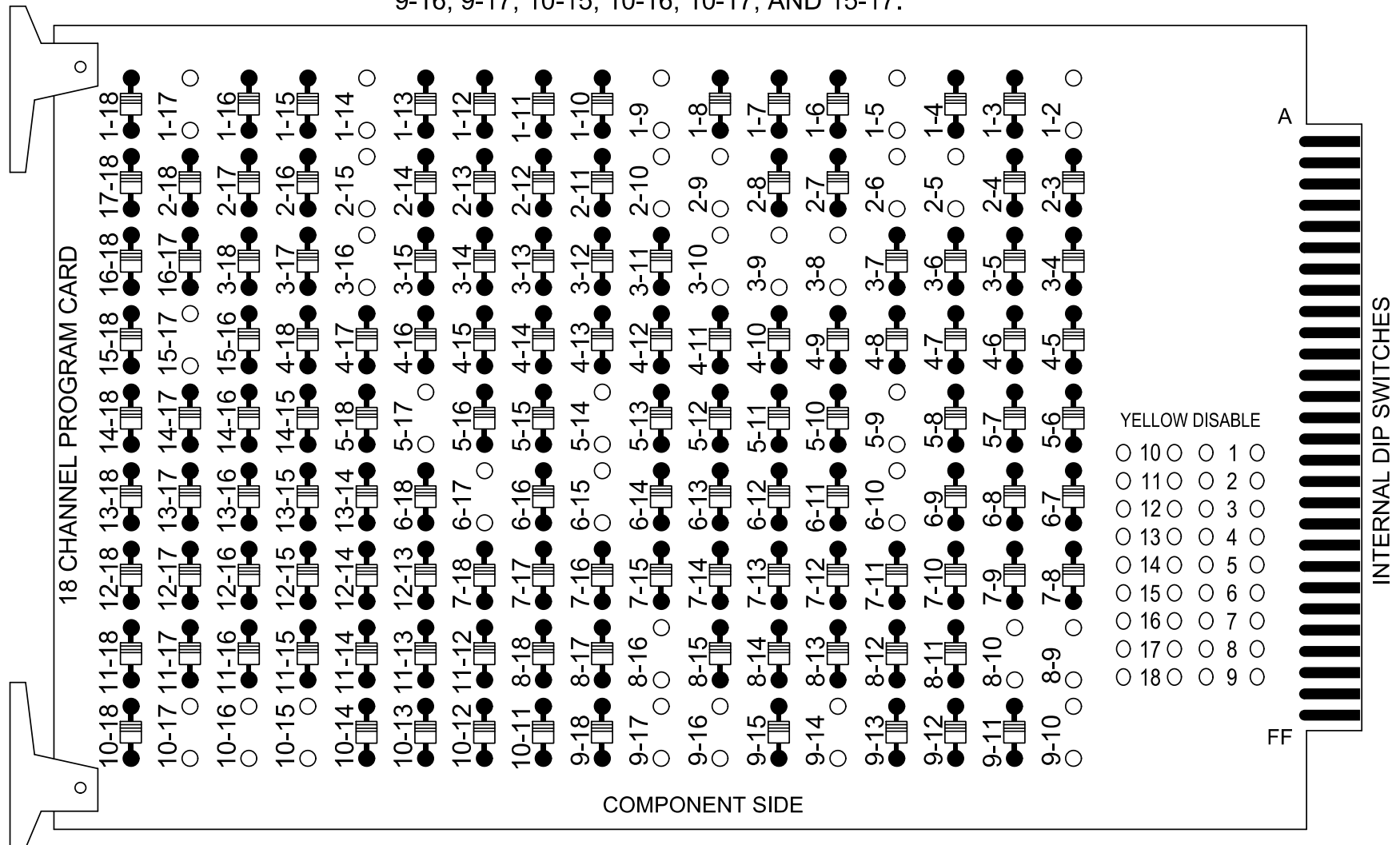


18 CHANNEL CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

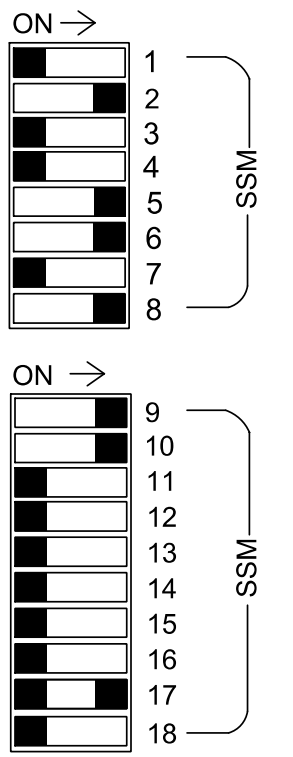
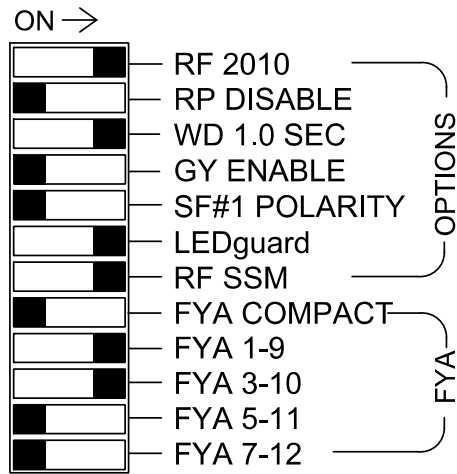
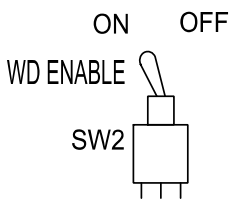
REMOVE DIODE JUMPERS: 1-2, 1-5, 1-9, 1-14, 1-17, 2-5, 2-6, 2-9, 2-10, 2-15, 3-8, 3-9, 3-10, 3-16, 5-9, 5-14, 5-17, 6-10, 6-15, 6-17, 8-9, 8-10, 8-16, 9-10, 9-14, 9-16, 9-17, 10-15, 10-16, 10-17, AND 15-17.



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that the Red Enable is active at all times during normal operation.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



■ = DENOTES POSITION OF SWITCH

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
- Program controller to start up in phase 2 Green No Walk and phase 6 Green No Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the Signal System #D06-17 Lumberton US 301 and SR 1997 (Fayetteville Road).

EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S1, S2, S4, S6, S7, S8, S9, S11, S12, AUX S1, AUX S2, AUX S3
Phases Used.....1, 2, 3, 3PED, **4, 4PED, 5, 6, 6PED
Overlap "1".....*
Overlap "2".....*
Overlap "3".....NOT USED
Overlap "4".....NOT USED
Overlap "5".....*
Overlap "7".....*
Overlap "8".....*
Overlap "9".....*

*See overlap programming detail on sheet 2
**Phase used for timing purposes

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
GMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	OL7	2	2 PED	3	4	4 PED	OL8	6	6 PED	7	OL9	3 PED	OL1	OL2	OL5	OL3	OL4	SPARE
SIGNAL HEAD NO.	33★	21,22,23	NU	64★	NU	P41, P42	51	61,62,63	P61, P62	NU	31,32	P31, P32	33★	64★	11	NU	NU	NU
RED		128						134					A121	A124				
YELLOW	★	129		★				135										
GREEN		130						136										
RED ARROW							131				107				A111			
YELLOW ARROW							132				108		A122	A125	A112			
FLASHING YELLOW ARROW													A123	A126				
GREEN ARROW	127			118			133				109				A113			
Hand icon						104			119			110						
Walking person icon						106			121			112						

NU = Not Used
★ Denotes install load resistor. See load resistor installation detail this sheet.
★ See pictorial of head wiring in detail this sheet.

INPUT FILE POSITION LAYOUT

(front view)

